

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/051262

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08F210/06 C08F4/642 C08F4/76 C08F210/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96/07681 A (DOW CHEMICAL CO) 14 March 1996 (1996-03-14) page 42; example 32 table 7 claim 5	1, 5, 9-15
X	CAPORASO, LUCIA ET AL: "Enantioselectivity of C8- and C2-Symmetric ansa-Metallocene Catalysts in the Styrene Insertion" MACROMOLECULES (2000), 33(20), 7275-7282, 2000, XP001187513 the whole document	1, 5, 9-15



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

11 November 2004

Date of mailing of the international search report

23/11/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KUO, JING-CHUNG ET AL: "Synthesis of syndiotactic polypropylene based diblock copolymer via metallocene catalyst mediated chain transfer reaction" POLYMER PREPRINTS (AMERICAN CHEMICAL SOCIETY, DIVISION OF POLYMER CHEMISTRY) (2003), 44(2), 10-11, 2003, XP008027256 the whole document	1,5,9-15
X	----- DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; ARAI, TOORU ET AL: "Propylene-aromatic vinyl compound copolymers with specific stereoregularity in propylene chain structure, and their efficient preparation" XP002269696 retrieved from STN Database accession no. 126:31838	1,9-15
Y	abstract & JP 08 269134 A (DENKI KAGAKU KOGYO KK, JAPAN) 15 October 1996 (1996-10-15) paragraph '0015! - paragraph '0026!; table 1	2-4,6-8
X	----- DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; MORI, RYOJI ET AL: "Syndiotactic propylene polymers, thermoplastic resin compositions containing them, and molded products therefrom with balanced rigidity, surface hardness, and impact resistance" XP002269697 retrieved from STN Database accession no. 133:267637 abstract & JP 2000 273123 A (MITSUI CHEMICAL INDUSTRY CO., LTD., JAPAN) 3 October 2000 (2000-10-03) page 115 - page 128; claim 4	1,9-15
X	----- DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; MICHKAMI, KENJI ET AL: "Random polymerization of aromatic vinyl monomers and olefins using aluminoxane-free metallocene catalyst systems" XP002269694 retrieved from STN Database accession no. 131:102672 abstract -/--	1,9-15

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X	<p>&amp; JP 11 199614 A (MITSUI CHEMICALS INC., JAPAN) 27 July 1999 (1999-07-27) paragraph '0030! - paragraph '0049! -----</p> <p>DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; MYATA, HIROSHI ET AL: "Ethylene-.alpha.-olefin-aromatic vinyl compound random copolymers and their manufacture" XP002269698 retrieved from STN Database accession no. 124:118309 abstract &amp; JP 07 278230 A (TOSOH CORP, JAPAN) 24 October 1995 (1995-10-24) -----</p>	1,9-15
X	<p>EP 0 520 732 A (DOW CHEMICAL CO., USA) 30 December 1992 (1992-12-30) page 11 - page 13; examples 59-100; tables III,IV page 14 - page 15; example 103 -----</p>	13-15
Y	<p>WO 00/49029 A (FINA RESEARCH ; RAZAVI ABBAS (BE)) 24 August 2000 (2000-08-24) example 1E page 29 figures 1-12 claim 1 -----</p>	2-4,6-8
A	<p>EP 1 179 553 A (ATOFINA RES) 13 February 2002 (2002-02-13) claim 1; tables 1-4 -----</p>	1-15
A	<p>EP 1 083 188 A (FINA RESEARCH) 14 March 2001 (2001-03-14) claim 1; tables 1,2 -----</p>	1-15
A	<p>RAZAVI, A. ET AL: "Preparation and crystal structures of the complexes (.eta.5-C5H3TMS-CMe2-.eta.5-C13H8)MC12 and '3,6-ditButC13H6-SiMe2- NtBu!MC12 (M=Hf, Zr or Ti): mechanistic aspects of the catalytic formation of a isotactic-syndiotactic stereoblock-type polypropylene" JOURNAL OF ORGANOMETALLIC CHEMISTRY , 621 (1-2), 267-276 CODEN: JORCAI; ISSN: 0022-328X, 2001, XP004231263 cited in the application the whole document -----</p>	1-15

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